RUNNING BLOCK RAM GENERATOR ON Z840

[CADENCE SERVER]

Steps Followed:

Cloned the repository from: https://github.com/merledu/MERL-Softwares/tree/bram-generator

```
[wajehulhasan@merl-HP-Z840 ~]$ git clone git@github.com:merledu/MERL-Softwares.git
Cloning into 'MERL-Softwares'...
Warning: Permanently added the ECDSA host key for IP address '20.207.73.82' to the list of known hosts.
Enter passphrase for key '/home/wajehulhasan/.ssh/id_ed25519':
remote: Enumerating objects: 15604, done.
remote: Counting objects: 100% (181/181), done.
remote: Compressing objects: 100% (147/147), done.
remote: Total 15604 (delta 25), reused 181 (delta 25), pack-reused 15423
Receiving objects: 100% (15604/15604), 246.68 MiB | 2.62 MiB/s, done.
Resolving deltas: 100% (2110/2110), done.
```

Problems Faced:

There is nothing that shows up in the directory after cloning

```
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$ ls
README.md
```

Reason of the Problem

The repo was not on the **bram-generator** branch

```
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$ git status
# On branch burq-suite
nothing to commit, working directory clean
```

Solution

Switched the repo to **bram-generator**

```
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$ git checkout bram-generator
Branch bram-generator set up to track remote branch bram-generator from origin.
Switched to a new branch 'bram-generator'
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$ ls
BlockRamGenerator  main_files  README.md  requirements.txt
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$
```

Running the Generator

Encountered the following error

```
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$ ./BlockRamGenerator
[1741] Error loading Python lib '/tmp/_MEI1AlWjF/libpython3.8.so.1.0': dlopen: /lib64/libm.so.6: version
 `GLIBC_2.29' not found (required by /tmp/_MEI1AlWjF/libpython3.8.so.1.0)
[wajehulhasan@merl-HP-Z840 ~/MERL-Softwares]$
```

Conclusion

1. Unable to run on z840 server
2. Readme should be modified, not everyone knows about branches etc.

RUNNING BLOCK RAM GENERATOR ON Z800

Problems faced

Cannot clone the repository, it is not accepting GitHub token, password or anything as shown below

```
whassan@merledu1:~$ git clone https://github.com/merledu/MERL-Softwares.git
Cloning into 'MERL-Softwares'...
Username for 'https://github.com': wajehulhasan
Password for 'https://wajehulhasan@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-htt
ps-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/merledu/MERL-Softwares.git/'
whassan@merledu1:~$ git clone https://github.com/merledu/MERL-Softwares.git
Cloning into 'MERL-Softwares'...
Username for 'https://github.com': wajeuhlhasan
Password for 'https://wajeuhlhasan@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-htt
ps-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/merledu/MERL-Softwares.git/'
whassan@merledu1:~$ git clone git@github.com:merledu/MERL-Softwares.git
Cloning into 'MERL-Softwares'...
git@github.com: Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
whassan@merledu1:~$
```

Conclusion

1. Unable to clone on z800 server